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EUROPEAN PATENT APPLICATION

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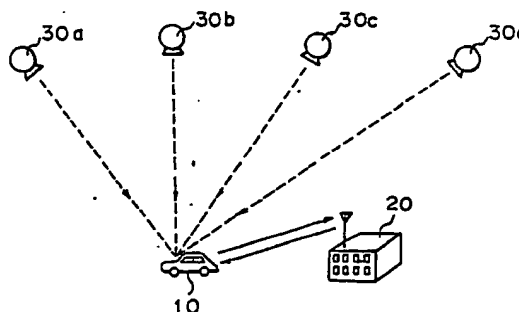
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⑤④ Mobile object navigation system.

⑤⑦ A mobile navigation system using a communication system between at least one mobile object (10) and a key station (20). The navigation system includes a unit (102) mounted on the mobile object for determining the position of the mobile object, and a unit (105) mounted on the mobile object for transmitting data representative of the determined position to the key station via the communication system. The navigation system further includes a data base unit (206) mounted in the key station for storing map data, a unit (205) mounted in the key station for deriving map data of an area including the position of the mobile object from the data base unit, in response to the transmitted position data, a unit (202) mounted in the key station for transmitting data including the derived map data to the mobile object via the communication system, and a unit (112) mounted on the mobile object for displaying a composite image composed of the position data of the mobile object and the map data, in response to the transmitted data from the key station.

Fig. 1



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Fig. 2a

Fig. 2
Fig. 2a Fig. 2b

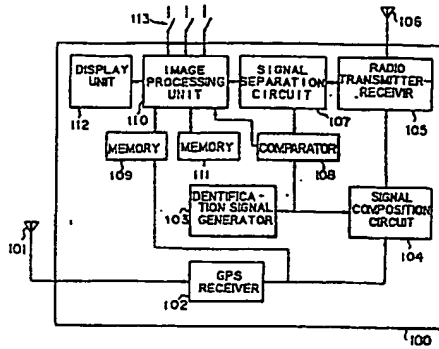
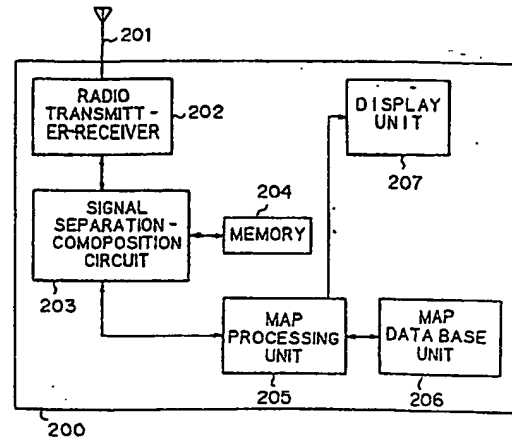


Fig. 2b





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EUROPEAN SEARCH REPORT

Application Number

EP 90 10 1019

DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
X,P	PATENT ABSTRACTS OF JAPAN, vol. 13, no. 131 (P-850), 31st March 1989; & JP-A-63 300 399 (MITSUBISHI ELECTRIC CORP.) 07-12-1988 (Cat. X) - - - -	1,3-7	G 01 S 5/02 G 01 S 5/14 G 08 G 1/0969
Y	US-A-3 750 166 (DEARTH) * Column 3, line 42 - column 4, line 46; figures 1,2 * - - - -	1-8	
Y	RECORD OF IEEE PLANS '88 POSITION LOCATION AND NAVIGATION SYMPOSIUM, "Navigation into the 21st century", Kissemmee, FL, 29th November - 2nd December 1988, pages 54-60, IEEE, New York, US; T. HUNTER et al.: "Land navigation and fleet management with GPS, LORAN, and dead reckoning sensors" * Page 54, right-hand column, line 12 - page 55, left-hand column, line 22; page 55, right-hand column, line 41 - page 56, right-hand column, line 20; page 57, right-hand column, line 20 - page 58, right-hand column, line 26; figures 1-3 * - - - -	1-8	
A,P	PATENT ABSTRACTS OF JAPAN, vol. 13, no. 104 (P-842), 13th march 1989; & JP-A-63 282 891 (NISSAN MOTOR CO., LTD) 18-11-1988 (Cat. A) - - - -	1,3-7	
A	GB-A-2 195 868 (GAINSBOROUGH HOLDINGS LTD) * Entire document * - - - -	1	
A	GB-A-2 176 964 (STC plc) * Page 1, lines 5-7; page 1, line 63 - page 2, line 5; figure 1 * - - - - -	1,2,4,6-8	
The present search report has been drawn up for all claims			
Place of search		Date of completion of search	Examiner
The Hague		13 May 91	HAFFNER R.D.R.
CATEGORY OF CITED DOCUMENTS X: particularly relevant if taken alone Y: particularly relevant if combined with another document of the same category A: technological background O: non-written disclosure P: intermediate document T: theory or principle underlying the invention E: earlier patent document, but published on, or after the filing date D: document cited in the application L: document cited for other reasons ----- &: member of the same patent family, corresponding document			